



AEROSPACE EDUCATION NEWSLETTER

A NEWSLETTER FROM THE AEROSPACE EDUCATION & TRAINING DIRECTORATE
NATIONAL HEADQUARTERS, CIVIL AIR PATROL
OCTOBER 2002

NCASE 2003

The National Congress on Aviation and Space Education (NCASE) 2003 will be held April 2-5 at the Omni Netherland Plaza in Cincinnati, Ohio.

Confirmed speakers include Erik Lindbergh and Gus McLeod. In May of 2002, Erik Lindbergh, the grandson of Charles Lindbergh, successfully recreated his grandfather's flight from Farmingdale, NY to Paris, France in 17hrs, 7 min, 75 years after his grandfather.

Gus McLeod, in April of 2000, flew solo to the North Pole in an open cockpit bi-plane. His next challenge will be attempting to become the first person to circumnavigate the world from pole to pole alone as part of the Centennial of Flight celebration. Read more about Gus at <http://www.gusmcLeod.com>.

The conference is always the premier aerospace education event in the nation. National standards-based, NCASE is designed to help educators inspire their students to excel in science, math, technology, language arts, social studies and other subjects. Educators are provided with:

- * Professional development for teachers at all grade levels with practical and fun hands-on/minds-on classroom activities.

- * Motivation for teaching the wonders of aviation and space in an extraordinary way.

- * Personal growth.

- * Unlimited and exciting networking opportunities.

NCASE is also where the presentation of the A. Scott Crossfield AE Teacher of the Year Award, the National Aeronautic Association's Frank G. Brewer Trophy, the National Coalition for Aviation Education Leadership Award, and the National Congress Crown Circle for AE Leadership Award takes place.

We hope you'll join us at the conference for what promises to be an unforgettable experience. Looking forward to seeing all of you at NCASE 2003!!

SER AE Conference December 2002

The SER AE Conference will be held in Biloxi, MS December 5-8, 2002 with December 5 and December 8 being travel days. The theme this year is "Space Technology---Gateway to the Future." Airlift is available from selected cities. For information and registration forms visit <http://www.alwg.cap.gov/hq/ae/serdae.htm>.

Team America Rocketry Challenge

In honor of the 2003 Centennial of Flight, Aerospace Industries Association (AIA) and the National Association of

Rocketry (NAR) are sponsoring a national model rocket competition for U.S. high school students. The challenge is to design, build and fly a multi-stage model rocket weighing less than 3.3 pounds at liftoff. It must carry two eggs and an electronic altimeter to as close as possible to 1,500 feet and return both eggs intact.

The top five teams will share in a total prize pool of approximately \$50,000 in savings bonds. Approximately \$9,000 in cash awards will be divided among the sponsoring teachers' departments.

Contest applications must be postmarked by November 15, 2002.

To begin an electronic search for a Team America Flyer, Team America Partners, Rocketry Challenge Videos, Sponsorship Opportunities, Frequently Asked Questions, Application and additional Contest Information, see <http://www.aia-aerospace.org>.

The Aerospace Industries Association represents the nation's major manufacturers of commercial, military and business aircraft, helicopters, aircraft engines, missiles, spacecraft materials and related components and equipment. The National Association of Rocketry (NAR) is the nation's largest and oldest non-profit organization for sport rocketry consumers. It focuses primarily on education, public

information and the setting of nationally recognized safety standards for sport rocket motors and sport rocket flying.

International Aviation Art Contest 2003

The theme for the 2003 International Aviation Art Contest is "100 Years of Powered Flight." All youth in the following age groups are encouraged to participate: Group I - Ages 6 to 9; Group II - Ages 10-13; Group III - Ages 14-17.

Artwork must be 11 x 17 inches and must not be framed, mounted or outlined with borders. All artwork must be handmade using watercolors, acrylic or oil paints, indelible markers, colored pencils, felt-tip pens, soft ball-point pens, indelible ink, Crayola or similar indelible mediums. The following media are NOT permitted: Pencil, charcoal or other non-permanent medium, computer generated artwork or collage work involving the use of photocopies.

Entries must be postmarked by January 10, 2003. CAP members should contact their Wing Director of Aerospace Education, Region Deputy Chief of Staff for Aerospace Education or Region Director of Aerospace Education for assistance on where to send their entries within their State. Ask for this assistance by the end of December or earlier.

Select the link labeled "2003 International Aviation Art Contest" from the AE Web page at http://www.capnhq.gov/nhq/aeroed/ETA/AE_Home.htm for more information including prizes and contest sponsors.

CAPR 280-2 Revised

Revisions to CAPR 280-2, Civil Air Patrol Aerospace Education Mission, were ratified at the August meeting of the National Board. These revisions include the name change of the AEPSM test to the Yeager test, the personnel authorized to administer the test (unit commanders, aerospace education officers, or test control officers), and the reporting requirements for Squadrons, Wings, and Regions when members have passed the Yeager exam. This revision also includes the requirement that all three phases of Specialty Track 215 are evaluated with written examinations before the phase can be completed.

Look for this revised regulation in the all-unit mailing from NHQ or see the revised version on the web at <http://www.capnhq.gov/document/webregulations/pubsweb.htm>.

Space Station 3D IMAX Adventure

Presented by Lockheed Martin in cooperation with NASA, this 3D adventure takes you aboard the International Space Station. To find a theatre where this file is playing visit <http://www.imax.com> and select Enter, then Theatres, then Find A Theatre.

Upcoming Events

1. The CAP AE Officer National Staff Course is tentatively planned for June 26-28, 2003 in Cocoa Beach, Florida. Visit the National AEO School Website at

<http://ser.cap.gov/NationalAEOStaffSchool.htm> for the application form and agenda.

Deadlines

1. The *AEF Grants for CAP Units* Winter Competition deadline is December 31, 2002. For details and the application form see: http://www.capnhq.gov/nhq/aeroed/ETA/AE_Grants.htm.

2. Nominate those who are making outstanding contributions to AE for the Frank G. Brewer Awards. Nominations are due to the Wing DAE by January 15, 2003. Nominations for the NCASE Crown Circle for AE Leadership Award are due to CAP/ETA by January 1, 2003. Nominations for the A. Scott Crossfield AE Teacher of the Year Award are due to CAP/ETA by February 1, 2003. Visit: http://www.capnhq.gov/nhq/aeroed/ETA/AE_Awards.htm.

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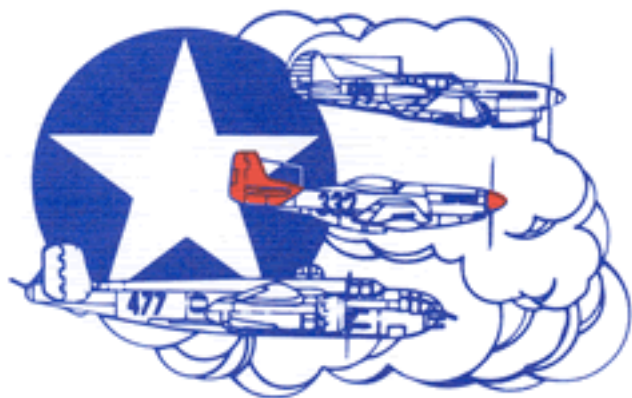
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Gus McLeod

Adventurer Plans First Solo Circumnavigation of the Poles

Pilot prepares for flight in honor of Centennial celebration, Tuskegee Airmen



Washington, D.C.
(February 8, 2002) -
Nearly 100 years



ago, two men set out to do something that no one had done before. Filled with fear and excitement, the Wright brothers soared 120 feet off the ground for 12 seconds. Gus McLeod knows that the same fear and excitement, but times have changed and powered flight has progressed in ways that these two brothers never thought possible.

As the 100th anniversary of the Wright brothers' first powered flight approaches, organizations across the country are preparing to take part in the national celebration, Centennial of Flight: Born of Dreams - Inspired by Freedom. As a history-maker himself, McLeod knew he wanted to play a role in the centennial commemoration.

McLeod, a 47 year-old father of three, made history for the first time in April 2000 when he flew solo to the North Pole in an open cockpit bi-plane. Now, thawed out and ready to tackle a new challenge, McLeod will attempt to become the first person to circumnavigate the world from pole to pole alone.

"Some people would say I'm crazy," says McLeod. "I was lucky to make it back the first time. One trip would be enough for most people, but not me. Once I heard about the centennial celebration, I knew I wanted to do something to be a part of the commemoration, and this is definitely it."

The Centennial celebration, however, is not McLeod's only inspiration. He is also planning the trip in honor of the Tuskegee Airmen, the first group of African-American military airmen, who will soon celebrate the 60th anniversary of their deployment to Europe. McLeod is currently the chairman of the Tuskegee Airmen speakers bureau. With his trip and these celebrations now just one year away, McLeod

has begun to intensify his training.

After gaining 60 pounds for his open-cockpit flight, McLeod will have to lose 100 pounds in order to make room for 65 more gallons of fuel, which will be vital to the longer portions of this flight. He's also staying up for 48 hours at a time in order to prepare his body for the long, risky stretch between the tip of South America, over the South Pole and onto New Zealand.

"You can never be 100 percent prepared for a trip like this, but I am trying to plan for everything," said McLeod. "The hardest part for me is going to be losing the extra 100 pounds. I have been bicycling every day and have lost quite a bit, but I still have a ways to go."

McLeod's trip is scheduled to take roughly a month and will coincide with Centennial activities planned for 2003. Stops are scheduled in several locations throughout the world, including Brazil, Australia, Japan, Russia and Canada, in which he will refuel, perform maintenance on the plane and deliver a Centennial of Flight commemorative medallion.

McLeod's adventure is being produced for a television documentary by [3 Roads Communications Inc.](#), the producers of the public television series [Legends of Airpower](#).

The Centennial of Flight celebration is being coordinated by the U.S. Centennial of Flight Commission, which was created by Congress to expand national and international interest in the commemoration of the centennial of powered flight. The Commission is coordinating a national outreach campaign and advising the President, Congress and federal agencies on the most effective ways to encourage and promote national and international participation in 2003. More information about the Commission can be found on the U.S. Centennial of Flight Commission Web site at <http://www.centennialofflight.gov/>.

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